FIG. 1

_82_

32

```
<Mapping>
<Ver>1. 0</Ver>                              42
<DataSource>Exchange</DataSource>
<Target type="Address Book" configurable="yes" >
  <FirstName    map="FName"      display="First Name" />
  <MiddleName   map="MName"      display="Middle Initial" />
  <LastName     map="LName"      display="Last Name" />
  <JobTitle     map=""           display="Job Title" />
  <Company      map="Company"    display="Company Name" />
  <EMail1       map="EMail1"     display="EMail Address" />
  <Home         map=""           display="Home Phone" />
  <Work         map="Work"       display="Phone" />
  <Body         map="Notes"      display="Body"/>
  <Birthday     map=""           display="Birthday"/>
  <CarPhone     map=""           display="Car Phone" />
  <Department   map=""           display="Department" />
</Target>
</Mapping>
```

FIG. 2

84

```
<RimSync>
<Ver>1. 0</Ver>
<Sync>
  <User>John Smith Distinguished Name</User>
  <Target type="Address Book" >     <!-Device database -->
      <Update>
         <CmdID>1</CmdID>
         <GUID>823482348234834</GUID>
         <FirstName>John</FirstName>
         <MiddleName>Willey</MiddleName>
         <LastName>Smith</LastName>
         <JobTitle>MarketingMgr. </JobTitle>
         <Company>XYZ Ltd. </Company>
         <Email1>jw@xyz.net</Email1>
         <Home>888-9654</Home>
         <Work>888-7465</Work>
         <Body>Responsible for Inside Sales</Body>
         <Department>Sales & Marketing</Department>
      </Update>
  </Target>
</Sync>
</RimSync>
```

FIG. 3

86

```
<Record>
  <FName>John</FName>
  <MName>Willey</MName>
  <LName>Smith</LName>
  <Company>XYZ Ltd. </Company>
  <EMail1>jw@xyz.net</EMail1>
  <Work>888-7465</Work>
  <Notes>Responsible for Inside Sales</Notes>
</Record>
```
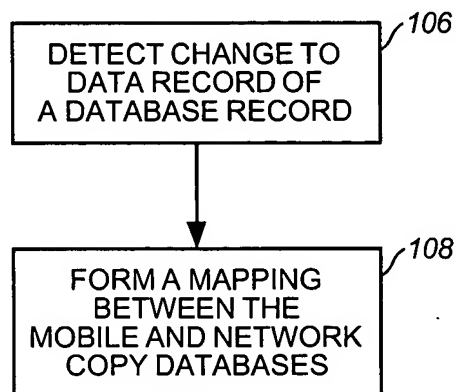
FIG. 4

90

```
<Mapping>
  <Ver>1. 0</Ver>
  <DataSource>Handheld</DataSource>
  <Target type="Address Book" ver"1.0">
      <Salutation     map="55"  key="No"   display="Salutation"  />
      <FName          map="32"  key="Yes"  display="First Name"  />
      <MName          map="129" key="Yes"  display="Middle Name" />
      <LName          map="128" key="Yes"  display="Last Name"   />
      <Title          map="42"  key="No"   display="Job Title"   />
      <Company        map="33"  key="Yes"  display="Company"/>
      <Email1         map="1"   key="No"   display="Email 1"     />
      <Address1       map="35"  key="No"   display="Address 1"   />
      <City           map="38"  key="No"   display="City"/>
      <State          map="39"  key="No"   display="State/Prov"/>
      <Country        map="41"  key="No"   display="Country"/>
      <Zip            map="40"  key="No"   display="Zip Code"    />
      <Fax            map="3"   key="No"   display="Fax"/>
      <Work           map="6"   key="No"   display="Work Phone"  />
      <Home           map="7"   key="No"   display="Home Phone"  />
      <Web            map="54"  key="No"   display="Web URL"     />
      <Mobile         map="8"   key="No"   display="Cell Phone"  />
      <Pager          map="9"   key="No"   display="Pager"/>
      <PIN            map="10"  key="No"   display="PIN"/>
      <Notes          map="64"  key="No"   display="Notes"/>
      <UserDefine1    map="65"  key="No"   display="User Def 1"  />
      <UserDefine2    map="66"  key="No"   display="User Def 2"  />
      <UserDefine3    map="67"  key="No"   display="User Def 3"  />
      <UserDefine4    map="68"  key="No"   display="User Def 4"  />
  </Target>
</Mapping>
```

FIG. 5

<u>94</u>

```
[0x08][0x0A]                              <- Use Data Source object
   [0x10][0x08]    "Exchange"            <- Data source name
[0x09][0x0E]                              <- Use Database Object
   [0x20][0x0C]    "Address Book"        <- Database name.
[0x70][0x01] 1                            <- CmID
[0x03][0x16]                              <- Update command
   [0x01][0x04] 1234                      <- Record  UID
   [0x02][0x14]                           <- Record Fields
      [0x33][0x08]   "XYZ Ltd."           <- Company field changed
      [0x06][0x08]   "888-1234"           <- Phone number changed
```

FIG. 6

<u>102</u>

```
            ┌─────────────────────┐ ⟋106
            │  DETECT CHANGE TO   │
            │   DATA RECORD OF    │
            │  A DATABASE RECORD  │
            └─────────────────────┘
                      │
                      ▼
            ┌─────────────────────┐ ⟋108
            │   FORM A MAPPING    │
            │    BETWEEN THE      │
            │ MOBILE AND NETWORK  │
            │  COPY DATABASES     │
            └─────────────────────┘
```

FIG. 7